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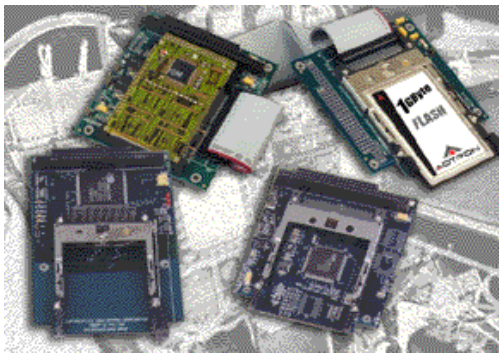
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The Wayback Machine - https://web.archive.org/web/20040419222105/http://www.adtron.com:80/family_detail.html?id=SDDP



PC/104 PC Card Drive

Model **SDDP**

OVERVIEW

Adtron's PC/104 Bus SolidState Data Drives, the SDDP family, provides removable and fixed data storage for embedded computers. These Card Drives install in a 16-bit PC/104 bus stack and include an Intel compatible controller, LEDs to indicate card activity, multi-layer PCB construction for low noise operation, and switchable card power.

Adtron offers an extended BIOS firmware that configures the SDDP as the system boot device in a diskless computer system. Built-in support from many operating systems provides hot swapping of PC Cards and allows the use of the same PC Cards used in notebook computers. For demanding applications, Adtron offers certified PC Card media in a complete range of capacities and operating temperatures.

Storage Solutions for Embedded Computers with a PC/104 Bus

The SDDP SolidState Data Drives provide removable and fixed storage through the PC/104 bus of an embedded computer. The 16-bit stacking modules deliver performance, universal PC Card compatibility, and all of the features required for reliable data storage operation in embedded computers.

APPLICATIONS

- Embedded storage for flight recorders
- Integrated removable and fixed media for locomotive display controller
- Flash boot storage for satellite-based solar observatory
- Removable media in portable military computers
- Data recorder for field based seismic and oceanographic sensors

FEATURES

- Hot swappable Type I or II 68-pin PC Card interface
- 16-bit stackable PC/104 bus interface provides universal PC Card support
- The industrial quality makes the SDDP ideal for embedded PCs in harsh environments
- Intel compatible PC Card controllers provide flexible I/O, memory and interrupt mapping
- PC Card power control and an all CMOS design provide low power operation
- Optional extended BIOS Boot code maps an ATA flash card as an IDE boot drive
- Jumper addressing allows operation of one or two boards in a computer system
- PC Card compatibility includes ATA flash and hard disk, SRAM and linear flash, CompactFlash with an adapter, SSFDC with an ATA adapter, fax/modems, network, security including Fortezza, and most other PC Cards.

ADTRON
www.adtron.com

PC/104 PC Card Drive	SDDP

System Requirements

Host Computer	
Hardware	16-bit PC/104 stacking connector

Software	PC Card drivers for removable media operation IDE support for fixed media operation

Specifications

Parameter	
Interface and connector	Signal and Power: 16-bit PC/104 stacking connector
Data transfer rate	2 MBytes/sec capable, dependent on PC Card or flash drive characteristics
Capacities	PC Card: Card dependent, 64MBytes to 2GBytes typical 1.8-inch IDE: Drive dependent, 64MBytes to 512MBytes typical
Power requirements	Voltage = 5 VDC SDDP-0x, -2x, -3x: Current = 75mA (max) without card or IDE drive
Card slot power	Card VCC: 5 VDC @ 1A max Card VPP: 5 / 12 VDC @ 120mA max
Operating Temperature	Commercial: 0 to 60 °C Enhanced: -25 to 75 °C
Dimensions mm(inches)	SDDP-0x: 91(3.6)W x 104(4.1)L x 23(0.92)H SDDP-2x: 91(3.6)W x 142(5.58)L x 23(0.92)H SDDP-3x base: 91(3.6)W x 96(3.78)L x 23(0.92)H SDDP-30, -32 remote: 91(3.6)W x 104(4.1)L x 23(0.92)H

Ordering Information

Model	Features
SDDP-0x	One PC Card slot Type I/II/II Commercial or enhanced temperature range -03C, -03E: Without card ejector -09C, -09E: Right hand ejector
SDDP-2x	Two PC Card slots Type I/II and Type I/II/III Commercial or enhanced temperature range -20C, -20E: Without card ejectors -21C, -21E: Right hand ejectors -22C, -22E: Left hand ejectors
SDDP-30C, -30E	One PC Card slot Type I/II/III, remote mount One 1.8-inch IDE interface, PC/104 stack mount Commercial or enhanced temperature range
SDDP-31C, -31E	One 1.8-inch IDE interface, PC/104 stack mount Commercial or enhanced temperature range
SDDP-32C, -32E	One PC Card slot Type I/II/III, remote mount Commercial or enhanced temperature range

Downloads

- Printable brochure
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